CyberDog

AppleSearchClient
AppleSearchItem
AppleSearchService
AppleSearchViewer
ArticleViewer
Book

The Book class represents the user's favorite place book and will be the root part of a Cyberdog document. It is chiefly responsible for managing the pages in the book.

fields

short	fCurrentPage
PageList*	fThePages
CyberBookExtension	*fCyberBookExtension

methods

void	AddUserPage()
void	AddCyberItem(CyberItem* theItem)
void	Internalize()
void	Externalize()

BookExtension
Shared Library

This class represents the public API to the Book class (which we do not want to expose to developers). It contains any methods necessary for a part developer to access the favorite places book.

comments

OpenDoc Extension -

fields

Book	*fBook

methods

void	Initialize(Book *theBook)
void	AddCyberItem(CyberItem *theItem)

CoverPage
CyberBrowser

fields

TreeView*	fTheHieararchy

methods

CyberBrowser
CyberItem
Shared Library

Small, self-contained class which completely describes a location on the Internet. CyberItems make up the contents of the log and the user pages of the favorite places book. Each CyberPart displays information for a single CyberItem. CyberItem is an abstract superclass and must be subclassed for each type of item that may appear in the log or favorite places book. The TelnetItem subclass, for example, will contain additional information about the terminal settings for that session.

fields

URL	fURL
StringPtr	fDisplayName
IconFamily	fIconFamily
CyberType	fType
WindowState	fAlaska
CyberItemFamily*	fFamily

methods

void	Internalize()
void	Externalize()
Boolean	IsEqual(CyberItem* theItem)
CyberItem*	Copy()

```
            StringPtr          GetProperty(Book* theBook, Property theProperty)
            void               MakePart()
CyberItemFamily
Shared Library
```

User pages display lists of CyberItems, but not all CyberItems are displayed the same way. Newsgroups, for example, display the number of unread articles while a Telnet session displays only the word "Telnet." Subclasses of CyberItemFamily (an abstract superclass) know how to display individual CyberItems on a user page.

CyberItemList
CyberPart
Shared Library

Abstract superclass representing a part handler for any type of data that will be displayed in Cyberdog. Each CyberPart is reponsible for displaying and handling events for a single CyberItem.

```
      fields
            CyberItem*         fMe
            BookExtension      *fBookExtension
      methods
CyberService
Shared Library
```

Abstract superclass representing a service that can be placed on the cover of the Favorite Places Book

```
      fields
            Str255             fName
            short              fPictResID
      methods
            void               LaunchService()
            void               DrawOnCover()
            void               GetMenuItemName(Str255 name)
DefaultFamily
FTPBrowser
FTPBrowser
FTPItem
FTPService
GIFItem
GIFViewer
GopherBrowser
GopherBrowser
GopherDirItem
GopherService
GopherStream
HTTPStream
JPEGItem
JPEGViewer
Log
```

The Log class controls the behavior of the automatic log. It contains data structures for viewing the log entries (which are CyberItems) as a hierarchy or as a list, and knows how to add and display new CyberItems.

```
      fields
            Tree*              fHierarchicalView
            CyberItemList*     fListView
            ViewByType         fCurrentViewByType
      methods
            void               AddCyberItem(CyberItem* theItem, CyberItem* itsParent)
```

LogExtension
Shared Library

This class represents the public API to the log (which we do not want to expose to developers). It contains any methods necessary for a part developer to access the log.

fields
methods
    void   AddCyberItem(CyberItem* theItem, CyberItem* itsParent)

Mosaic
MosaicItem
MosaicViewer
MovieItem
MovieViewer
NewsgroupBrowser
NewsgroupFamily
NewsgroupItem
NewsgroupService
NewsgroupViewer
NotificationPage
Page
Abstract superclass defining behavior common to all pages in the Favorite Places Book.

fields
    Str255   fTitle
methods
    void   TearOff();

PreferencesPage
SoundItem
SoundViewer
Stream
Abstract superclass that represents a data stream in which information is downloaded from a remote source a chunk at a time. Use of this stream allows viewers to display data as it is downloaded without needing to now the underlying protocol used to obtain the data.

StreamViewer
Abstract superclass for a Viewer that needs to download data from a stream.

TelnetItem
TelnetService
Text (Zaky)
TextItem
TextViewer
Tree
Data structure representing a generic hierarchy. This structure will be used for storing the hierarchical view of the log and for representing hierarchical data spaces such as Gopher, FTP, and the newsgroup hierarchy.

fields
methods
    void   AddItem(Element* theItem, Element* itsParent);
    void   ExpandItemAt(short index);
    void   CollapseItemAt(short index);
    short   NumItems();

TreeView
A TreeView object puts a human interface on the data stored in its fTheTree field. TreeViews know how to display hierarchical lists, respond to events, and handle clicks on turney-triangles.

fields
    Tree*   fTheTree

```
    methods
        void                Draw();
        void                DoMouseDown(EventRecord* theEvent);
        void                DoKeyDown(EventRecord* theEvent);
        void                DoDoubleClick(EventRecord* theEvent);
UserPage
    fields
        Str255              fTitle
        CyberItemList*      fContents
    methods
        void                AddCyberItem(CyberItem* theItem)
```